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Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM SERVICE c/w ETOBICOKE EX-FILTRATION SYSTEM
- PROPOSED CATCHBASIN
- EX/FUT. WATERMAIN
- EXISTING/FUTURE VALVE AND VALVE BOX
- EXISTING/FUTURE VALVE CHAMBER
- EXISTING/FUTURE FIRE HYDRANT
- EXISTING/FUTURE SANITARY SEWER
- EXISTING/FUTURE STORM SEWER
- EXISTING/FUTURE CATCHBASIN MANHOLE
- EXISTING/FUTURE CATCHBASIN
- PROPOSED BARRIER CURB LOCATIONS
- PROPOSED MANHOLE
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER W22.
- NUMBER OF WATER METERS
- NUMBER OF REMOTE WATER METER
- PROPOSED COMMUNITY MAILBOX LOCATIONS
- PROPOSED 2H-RATED FIRE WALL LOCATION
- BACK TO BACK TERRACE HOME SERVICES
- 200mm STORM SERVICE PVC SDR 26 @ 1% MIN
- 150mm SANITARY SERVICE PVC SDR 26 @ 1% MIN
- 150mm PE TUBING WATER SERVICE c/w CURB STOP AND SERVICE POST

Notes

- MAINTENANCE HOLES LOCATED IN PONDING AREAS SHALL HAVE WATER TIGHT FRAME AND COVERS AS PER CITY STANDARD S24, S24.1 AND S25.

Revision	Description	By	Appd.	Date
2	REVISED AS PER CITY COMMENTS	AJ	SG	23.03.31
1	ISSUED FOR 1ST SUBMISSION	AJ	SG	22.12.07
0	FOR REVIEW	AJ	SG	21.11.23

File Name:	MJS	SG	MJS	21.06.29
16401657.DB	Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project

Mattamy Homes

HMB PHASE 8

OTTAWA, ON

Title

SITE SERVICING PLAN

Project No.	Scale	0	5	15	25m
16401657	1:500				
Drawing No.	Sheet	Revision			
SSP-1					

**ICD TABLE**

Structure	Invert	ICD Type	100yr Head (m)	100yr Flow (L/s)	2yr Head (m)	2yr Flow (L/s)
CB 101A	101.89	IPEX TEMPEST LMF 90	0.99	7.2	0.15	2.7
CB 102A	101.99	IPEX TEMPEST HF 127mm	1.65	40.5	0.7	25.6
CB 103A	102.23	IPEX TEMPEST HF 102mm	1.54	25.2	1.21	22.3
CB 104A	102.66	IPEX TEMPEST HF 127mm	1.66	40.6	0.94	30
CB 105A	103.52	IPEX TEMPEST HF 127mm	1.77	42	0.27	17.6
STM 111	102.35	IPEX TEMPEST HF 108mm	1.24	25.3	0.34	12.4
CB 105C	103.82	IPEX TEMPEST LMF 105	1.46	11.8	0.35	5.8
CB 108A	103.97	IPEX TEMPEST HF 108mm	1.58	28.7	0.88	21.2
CB 110A	104.27	IPEX TEMPEST HF 127mm	1.5	38.4	0.57	22.9
CB 110B	104.05	IPEX TEMPEST LMF 90	1.56	9	1.01	7.2
CB 110C	103.97	IPEX TEMPEST HF 108mm	1.6	28.9	0.9	21.4
CB 110D	104.34	IPEX TEMPEST HF 102mm	1.49	24.8	0.56	14.8

**SEWER AND WATERMAIN CROSSING TABLE**

CROSSING	STM INV	STM OBY	SAN INV	SAN OBY	WTR TOP	WTR BTM	NOTES
99.28	99.96	100.62	100.82	101.30	101.10		
99.30	99.98	100.62	100.82	101.14	100.98		DEFLECT W/M OVER SANITARY SEWER AS PER W25.2 / W22
99.74	100.04	100.73	100.93	101.23	101.09		
99.81	100.34	100.94	101.04	100.88	100.68		DEFLECT W/M OVER STORM & SANITARY SEWER AS PER W25.2 / W22
99.82	100.35	101.02	101.22				
101.55	102.08	102.03	102.23				
101.56	102.08	102.66	102.86	103.40	103.20		
102.11	102.56	103.12	103.32	103.43	103.23		DEFLECT W/M OVER STORM & SANITARY SEWER AS PER W25.2 / W22
		101.85	102.05	102.93	102.73		
		102.89	102.69				

**200mmØ WATERMAIN 'A'**

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	103.21	-2.400	
0+004.0	103.21	100.810	45° HORIZONTAL BEND
0+011.8	103.16	100.760	45° HORIZONTAL BEND
0+013.9	103.22	100.820	200mmØ VALVE & CHAMBER @ PL
0+020.0	103.34	100.940	TOP OF PIPE
0+041.1	103.71	101.310	200mmØ x 200mmØ TEE
0+042.4	103.70	101.300	200mmØ x 200mmØ TEE
0+045.2	103.69	101.290	200mmØ x 200mmØ TEE
0+047.9	103.68	101.280	45° VERTICAL BEND, DEFLECT WTR OVER SAN AS PER W25.2 AND W22
0+052.7	103.67	101.270	45° VERTICAL BEND, DEFLECT WTR OVER SAN AS PER W25.2 AND W22
0+060.0	103.72	101.320	TOP OF PIPE
0+074.2	103.84	101.440	200mmØ WATER VALVE
0+076.1	103.85	101.450	150mmØ RRE HYDRANT TEE
0+080.0	103.92	101.520	200mmØ x 200mmØ TEE

**200mmØ WATERMAIN 'B'**

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	104.57	102.170	200mmØ CAP AND THRUST BLOCK
0+020.3	103.83	101.430	45° HORIZONTAL BEND
0+027.8	103.87	101.470	45° VERTICAL BEND, DEFLECT WTR OVER SAN AS PER W25.2 AND W22
0+029.3	103.90	101.500	45° VERTICAL BEND, DEFLECT WTR OVER SAN AS PER W25.2 AND W22
0+032.3	103.92	101.520	200mmØ x 200mmØ TEE
0+040.0	103.94	101.540	TOP OF PIPE
0+040.0	104.33	101.930	200mmØ x 200mmØ TEE
0+080.0	104.40	102.200	TOP OF PIPE
0+094.4	104.74	102.340	200mmØ WATER VALVE
0+101.0	104.81	102.410	150mmØ FIRE HYDRANT TEE
0+120.0	105.02	102.620	TOP OF PIPE
0+140.0	105.26	102.860	TOP OF PIPE
0+147.9	105.38	102.980	200mmØ x 200mmØ TEE
0+160.0	105.54	103.140	TOP OF PIPE
0+172.1	105.70	103.300	200mmØ WATER VALVE
0+179.9	105.78	103.380	150mmØ FIRE HYDRANT TEE
0+183.1	105.80	103.400	TOP OF PIPE
0+200.0	105.81	103.410	TOP OF PIPE
0+220.0	105.82	103.420	TOP OF PIPE
0+247.6	105.88	103.480	200mmØ WATER VALVE
0+253.1	105.05	102.650	200mmØ x 200mmØ TEE
0+259.1	105.00	102.600	200mmØ WATER VALVE
0+280.0	105.99	103.590	TOP OF PIPE
0+281.0	106.01	103.610	200mmØ CAP AND THRUST BLOCK

**200mmØ WATERMAIN 'C'**

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	106.20	103.800	CONNECT INTO EX. 200mmØ W/M STUB
0+002.3	106.23	103.830	45° HORIZONTAL BEND
0+020.9	106.23	103.830	45° HORIZONTAL BEND
0+030.9	106.14	103.740	45° HORIZONTAL BEND
0+040.0	105.87	103.470	TOP OF PIPE
0+041.1	105.90	103.500	200mmØ WATER VALVE
0+050.4	106.00	103.600	150mmØ FIRE HYDRANT TEE
0+058.4	105.84	103.440	200mmØ x 200mmØ TEE
0+060.0	105.80	103.400	TOP OF PIPE
0+080.0	105.72	103.320	TOP OF PIPE
0+100.0	105.72	103.320	TOP OF PIPE
0+120.0	105.72	103.320	200mmØ WATER VALVE
0+126.9	105.72	103.320	45° HORIZONTAL BEND
0+128.8	105.86	103.460	45° HORIZONTAL BEND
0+140.0	105.67	103.270	TOP OF PIPE
0+160.0	105.73	103.330	200mmØ WATER VALVE
0+164.0	105.80	103.400	200mmØ x 200mmØ TEE

**200mmØ WATERMAIN 'D'**

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	105.84	103.440	200mmØ x 200mmØ TEE
0+002.9	105.83	103.430	45° VERTICAL BEND, DEFLECT WTR OVER SAN AS PER W25.2 AND W22
0+020.0	105.83	103.430	TOP OF PIPE
0+036.0	105.95	103.550	200mmØ x 200mmØ TEE

**200mmØ WATERMAIN 'E'**

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	103.71	101.310	200mmØ x 200mmØ TEE
0+010.8	103.80	101.400	200mmØ WATER VALVE
0+020.0	103.82	101.420	TOP OF PIPE
0+035.1	103.94	101.540	200mmØ CAP AND THRUST BLOCK

**200mmØ WATERMAIN 'F'**

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	103.69	101.290	200mmØ x 200mmØ TEE
0+004.2	103.66	101.260	200mmØ WATER VALVE
0+020.0	103.87	101.470	TOP OF PIPE
0+040.0	104.31	101.910	TOP OF PIPE
0+060.0	104.40	102.000	TOP OF PIPE
0+062.0	104.41	102.010	200mmØ CAP AND THRUST BLOCK

**200mmØ WATERMAIN 'G'**

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	104.75	102.350	200mmØ CAP AND THRUST BLOCK
0+020.0	105.41	103.010	TOP OF PIPE
0+040.0	105.47	103.070	TOP OF PIPE
0+040.0	105.47	103.070	200mmØ WATER VALVE
0+063.0	105.38	102.980	200mmØ x 200mmØ TEE

